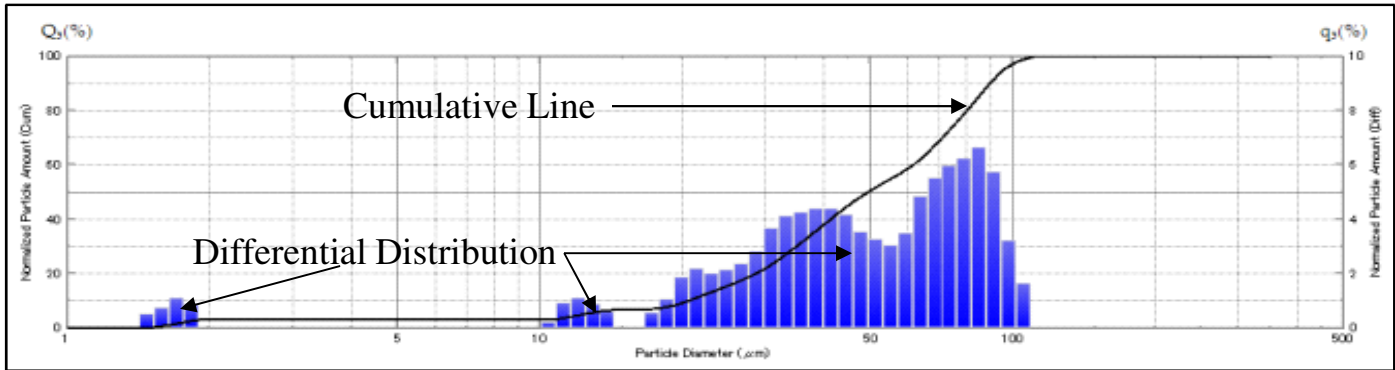


Particle Size Analysis

| | | | |
|-----------|------------|-----------|--|
| File Name | | Meas Date | |
| Sample ID | Sample No. | | |
| Comment | | | |

| | | | |
|----------|--------|---------|--------|
| Median D | 49.227 | Mean V | 42.888 |
| Modal D | 88.370 | Std Dev | 0.347 |

| | | | | | | | | |
|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|
| 10 %D(μm) | 10 %D(μm) | 75 %D(μm) | 0 %D(μm) | 0 %D(μm) | 0 %D(μm) | 0 %D(μm) | 0 %D(μm) | 0 %D(μm) |
| 20.322 | 20.322 | 74.978 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |



| | Diam | Cum% | Diff% | | Diam | Cum% | Diff% | | Diam | Cum% | Diff% | | Diam | Cum% | Diff% |
|----|---------|---------|-------|----|--------|--------|-------|----|-------|-------|-------|-----|-------|-------|-------|
| | x(μm) | Q3(%) | q3(%) | | x(μm) | Q3(%) | q3(%) | | x(μm) | Q3(%) | q3(%) | | x(μm) | Q3(%) | q3(%) |
| 1 | 350.000 | 100.000 | 0.000 | 27 | 53.220 | 53.662 | 3.276 | 53 | 8.092 | 3.223 | 0.000 | 79 | 1.231 | 0.000 | 0.000 |
| 2 | 325.542 | 100.000 | 0.000 | 28 | 49.501 | 50.386 | 3.528 | 54 | 7.527 | 3.223 | 0.000 | 80 | 1.145 | 0.000 | 0.000 |
| 3 | 302.793 | 100.000 | 0.000 | 29 | 46.042 | 46.859 | 4.150 | 55 | 7.001 | 3.223 | 0.000 | 81 | 1.065 | 0.000 | 0.000 |
| 4 | 281.633 | 100.000 | 0.000 | 30 | 42.824 | 42.709 | 4.380 | 56 | 6.512 | 3.223 | 0.000 | 82 | 0.990 | 0.000 | 0.000 |
| 5 | 261.953 | 100.000 | 0.000 | 31 | 39.832 | 38.329 | 4.371 | 57 | 6.057 | 3.223 | 0.000 | 83 | 0.921 | 0.000 | 0.000 |
| 6 | 243.647 | 100.000 | 0.000 | 32 | 37.048 | 33.958 | 4.275 | 58 | 5.633 | 3.223 | 0.000 | 84 | 0.857 | 0.000 | 0.000 |
| 7 | 226.621 | 100.000 | 0.000 | 33 | 34.459 | 29.683 | 4.100 | 59 | 5.240 | 3.223 | 0.000 | 85 | 0.797 | 0.000 | 0.000 |
| 8 | 210.785 | 100.000 | 0.000 | 34 | 32.051 | 25.583 | 3.666 | 60 | 4.874 | 3.223 | 0.000 | 86 | 0.741 | 0.000 | 0.000 |
| 9 | 196.055 | 100.000 | 0.000 | 35 | 29.812 | 21.917 | 2.814 | 61 | 4.533 | 3.223 | 0.000 | 87 | 0.689 | 0.000 | 0.000 |
| 10 | 182.355 | 100.000 | 0.000 | 36 | 27.728 | 19.103 | 2.363 | 62 | 4.216 | 3.223 | 0.000 | 88 | 0.641 | 0.000 | 0.000 |
| 11 | 169.611 | 100.000 | 0.000 | 37 | 25.791 | 16.740 | 2.149 | 63 | 3.922 | 3.223 | 0.000 | 89 | 0.596 | 0.000 | 0.000 |
| 12 | 157.759 | 100.000 | 0.000 | 38 | 23.988 | 14.591 | 2.004 | 64 | 3.648 | 3.223 | 0.000 | 90 | 0.555 | 0.000 | 0.000 |
| 13 | 146.735 | 100.000 | 0.000 | 39 | 22.312 | 12.588 | 2.165 | 65 | 3.393 | 3.223 | 0.000 | 91 | 0.516 | 0.000 | 0.000 |
| 14 | 136.481 | 100.000 | 0.000 | 40 | 20.753 | 10.422 | 1.848 | 66 | 3.156 | 3.223 | 0.000 | 92 | 0.480 | 0.000 | 0.000 |
| 15 | 126.943 | 100.000 | 0.000 | 41 | 19.303 | 8.574 | 1.060 | 67 | 2.935 | 3.223 | 0.000 | 93 | 0.446 | 0.000 | 0.000 |
| 16 | 118.073 | 100.000 | 0.000 | 42 | 17.954 | 7.514 | 0.558 | 68 | 2.730 | 3.223 | 0.000 | 94 | 0.415 | 0.000 | 0.000 |
| 17 | 109.822 | 100.000 | 1.664 | 43 | 16.699 | 6.956 | 0.008 | 69 | 2.539 | 3.223 | 0.000 | 95 | 0.386 | 0.000 | 0.000 |
| 18 | 102.147 | 98.336 | 3.213 | 44 | 15.532 | 6.947 | 0.000 | 70 | 2.362 | 3.223 | 0.000 | 96 | 0.359 | 0.000 | 0.000 |
| 19 | 95.009 | 95.123 | 5.737 | 45 | 14.447 | 6.947 | 0.607 | 71 | 2.197 | 3.223 | 0.000 | 97 | 0.334 | 0.000 | 0.000 |
| 20 | 88.370 | 89.386 | 6.651 | 46 | 13.437 | 6.341 | 0.871 | 72 | 2.043 | 3.223 | 0.000 | 98 | 0.311 | 0.000 | 0.000 |
| 21 | 82.194 | 82.735 | 6.224 | 47 | 12.498 | 5.470 | 1.107 | 73 | 1.900 | 3.223 | 0.866 | 99 | 0.289 | 0.000 | 0.000 |
| 22 | 76.451 | 76.511 | 5.971 | 48 | 11.625 | 4.362 | 0.939 | 74 | 1.768 | 2.357 | 1.082 | 100 | 0.269 | 0.000 | 0.000 |
| 23 | 71.108 | 70.540 | 5.535 | 49 | 10.813 | 3.423 | 0.200 | 75 | 1.644 | 1.276 | 0.763 | 101 | 0.250 | 0.000 | 0.000 |
| 24 | 66.139 | 65.005 | 4.825 | 50 | 10.057 | 3.223 | 0.000 | 76 | 1.529 | 0.513 | 0.513 | | | | |
| 25 | 61.517 | 60.180 | 3.481 | 51 | 9.354 | 3.223 | 0.000 | 77 | 1.422 | 0.000 | 0.000 | | | | |
| 26 | 57.218 | 56.699 | 3.037 | 52 | 8.700 | 3.223 | 0.000 | 78 | 1.323 | 0.000 | 0.000 | | | | |

Solvent: Isobutyl Alcohol

Median : The size of particle where the cumulative line crosses the 50th percentile.
 Modal :The size of particle that is most often seen.
 Mean Value : The average size of the particles.
 Std Dev (Standard Deviation) : The amount of variance, in microns, between each trial.
 Cum Q3 (%) = Cumulative % : The percent of particles below that micron size.
 Diff q3 (%) = Differential Distribution : The percent of particles at that micron size.



Customer: _____ Date: _____
 Lab Report: _____ By: _____

Dust Analysis Report

Type of Dust: Dust Sample

Application: TBD

Place of Sampling: Dust Sample

Form of Dust: Fine Reddish-brown Dust with Agglomerations

Bulk Density: 0.183 g/cm³

pH-value (of watery solution): 4.8

Tendency to Agglomerate: Weak

Electrostatic Chargeability:

Rod: Weak

Flask: Weak

Comments: This dust is non-abrasive, has a weak tendency to agglomerate, and has an average particle size of 42.888 microns.

Microscopic Photograph of Dust

